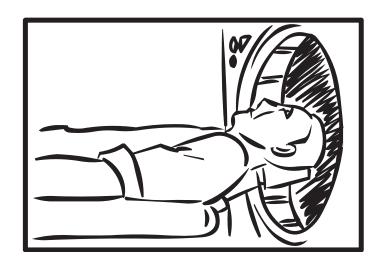


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MRI is short for "magnetic resonance imaging." Doctors and scientists use MRI to take a picture of a living person's brain. The MRI machine uses magnets and radio waves to create pictures that show the structure of the brain. Scientists can use MRI to understand how different parts of the brain are affected by different drugs.

GBET Scan 6 GG GG G G N/D4



PET means "positron emission tomography." Doctors and scientists can use PET to take pictures of a living person's brain. PET scans use radioactive material to show the parts of the brain that are working. This is helpful in showing which parts are affected by different drugs. The scans show the parts of the brain that are working hardest.

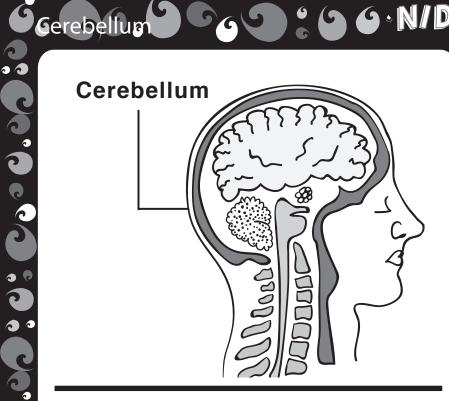


SPECT Scan



3 4

"Single photon emission computed tomography" is known as SPECT. It is similar to a PET scan because both use radioactive material to show the parts of the brain that are active and using energy. Both are common in drug abuse research. SPECT scans use different radioactive material than PET scans and are less expensive.



The cerebellum is the part of the brain located in the back of the head. It controls posture, movement, and the sense of balance. When you are playing basketball, picking up your backpack, or playing guitar, you are using your cerebellum.

